SCHOOL OF CIVIL ENGINEERING

JOINT HIGHWAY RESEARCH PROJECT

JHRP-78-14

TRAFFIC SPEED REPORT NO. 105

J. R. Mekemson

G. K. Stafford

PURDUE UNIVERSITY

INDIANA STATE HIGHWAY COMMISSION

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TRAFFIC SPEED REPORT NO. 105

TO: J. F. McLaughlin, Director
Joint Highway Research Project

July 26, 1978

File: 8-3-3

FROM: H. L. Michael, Associate Director
Joint Highway Research Project

Project: C-36-10C

The attached Progress Report No. 105 on Traffic Speeds is the report of the April-June, 1978 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. J. R. Mekemson, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data collection was directed by Mr. G. K. Stafford of our staff.

The results indicate that the average speeds of passenger cars and trucks have changed little since the January-March 1978 study. The average speed of passenger cars has fallen 0.6 mph, while the average speed of heavy trucks rose only 0.1 mph when compared to the previous period. The percentage of all vehicles travelling more than 5 mph above the speed limit decreased to 31.1 percent, while 8.3 percent were more than 10 mph above the speed limit, a decrease of 1.7 percent.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment and acceptance as partial fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,

Harold L. Michael

Harold L. Michael
Associate Director

HLM:ms

cc: A. G. Altschaeffl
W. L. Dolch
R. L. Eskew
G. D. Gibson
W. H. Goetz
M. J. Gutzwiller
G. K. Hallock
D. E. Hancher
K. R. Hoover
R. F. Marsh
R. D. Miles
P. L. Owens
G. T. Satterly
C. F. Scholer
M. B. Scott
K. C. Sinha
C. A. Venable
L. E. Wood
E. J. Yoder
S. R. Yoder

Interim Report

TRAFFIC SPEED REPORT NO. 105

by

J. R. Mekemson
Graduate Instructor in Research

and

G. K. Stafford
Traffic Engineering Technician

Joint Highway Research Project

Project No.: C-36-10C

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Purdue University
in Cooperation with the
Indiana State Highway Commission
and the
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Federal Highway Administration

The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Federal Highway Administration

Purdue University
West Lafayette, Indiana
July 26, 1978

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15. Supplementary Notes

Conducted in cooperation with the U.S. Department of Transportation, Federal Highway Administration under a planning study titled "Speed Trends for Indiana Highways".

16. Abstract

This report is another in the continuing study of speeds of vehicles on Indiana highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the April-June 1978 quarter.

Analysis of the speeds showed the overall average speed for all vehicles was 58.1 mph. The overall average speeds for passenger cars and all trucks were 58.4 mph and 57.9 mph respectively. These overall speeds when compared to the results of the January-March 1978 quarter (Speed Report No. 104) indicated little change. Average speeds obtained were similar for the two periods - 0.6 mph less for all passenger cars and 0.1 mph more for heavy trucks for the most recent quarter.

17. Key Words	18. Distribution Statement
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TRAFFIC SPEED REPORT NO. 105

This report is an analysis of spot speed observations made during April-June 1978. All observations were made of free-flowing vehicles on level, tangent sections of rural and urban highways during daylight and under favorable conditions.

The speed monitoring stations for each highway classification are divided into two groups. The first group is identified as "control stations" and were at the same locations on selected Federal and State highways as used in previous annual studies. These "control stations" are used in each quarterly study. The second group is selected at random for each quarterly study.

Fourteen speed monitoring stations were used for the study reported herein. Seven of these stations were the control stations noted above. The other seven stations were selected at random.

Stations were classified as two-lane, four-lane, rural interstate, or urban interstate highways. A representative sample of spot speeds was obtained at each station in each classification. The site locations were as follows: (See Figure A).

	<u>Rural Interstate Highways</u>
**RI-6 (I-65)	7.5 miles north of junction of SR 160
**RI-21 (I-69)	1.6 miles south of junction of SR 18
RI-13 (I-70)	.25 miles east of Vigo-Clay Co. Line
RI-14 (I-69)	3.45 miles north of SR 238
	<u>Four-Lane Highway</u>
*4L-17 (US 52)	Just east of Co. Rd. 475W, near Klondike
*4L-32 (US 30)	2.9 miles west of Wanatah city limit sign
4L-14 (US 40)	2.3 miles east of Greenfield
4L-31 (US 30)	2.4 miles east of SR 421
	<u>Two-Lane Highway</u>
*2L-18 (US 35)	2.5 miles east of junction of I-69
*2L-54 (US 231)	1.1 miles south of junction of SR 234
2L-30 (US 52)	12 miles east of New Palestine
2L-46 (US 421)	3.35 miles north of the Toll Road

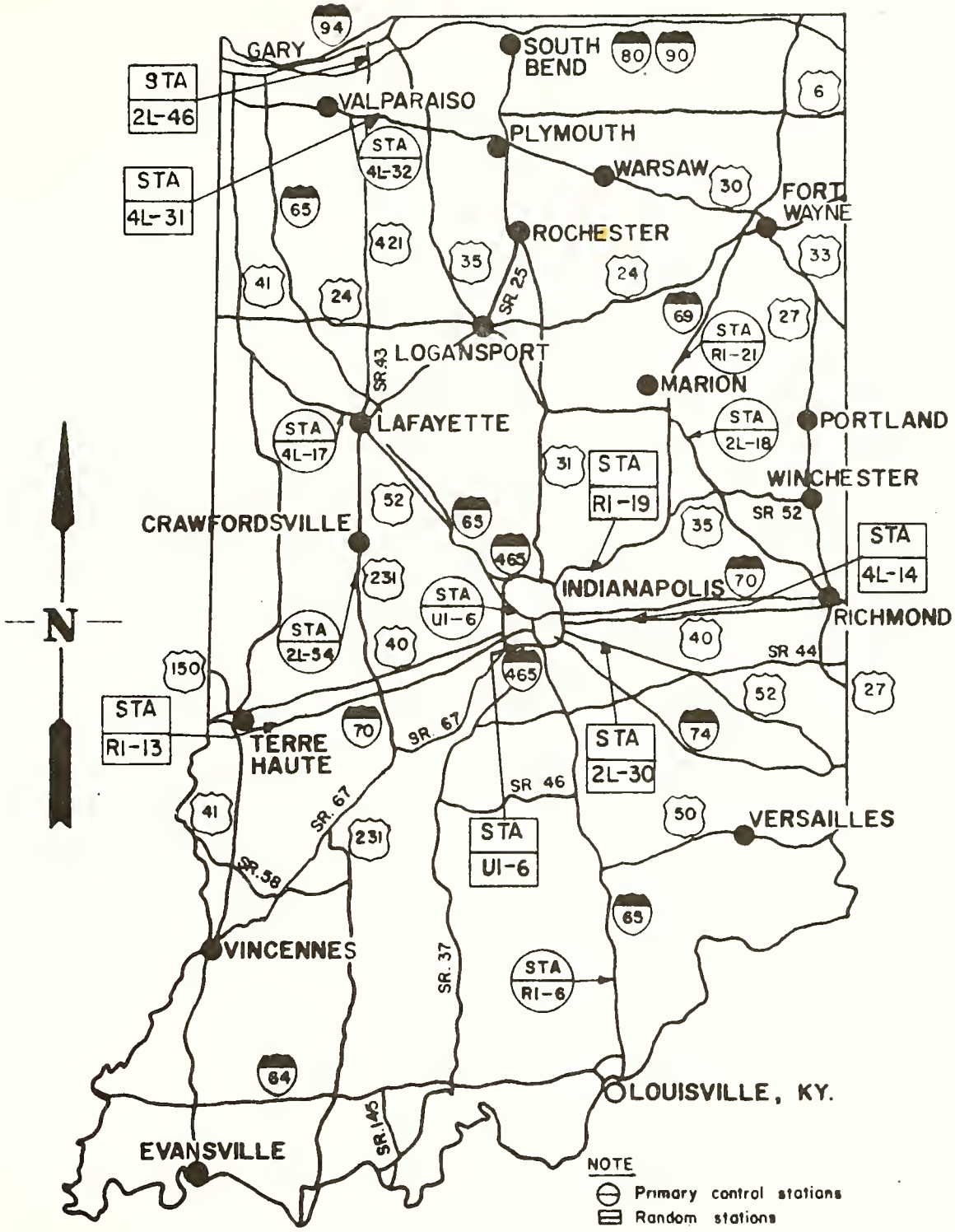

FIGURE A. LOCATIONS OF SPEED—STUDY STATIONS

Urban Interstate Highways

*UI-6 (I-65)	East of White River Bridge
UI-4 (I-65)	1.5 miles east of Mann Road

*Control Stations

**Control Stations location slightly moved due to construction. See Tables for these locations.

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5000 lbs. gross weight) or Heavy (equal to or more than 5000 lbs. gross weight) Trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The maximum speed limit in Indiana is 55 miles per hour, both on Interstate and other rural highways.

Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was located in a van type vehicle parked as a disabled vehicle on the right shoulder or as a normally parked vehicle in an access driveway to the road. The van was equipped with one-way vision windows on the rear and side facing traffic so that approaching vehicles could not observe the speed measurement process. The ovservers were also equipped with CB radio equipment so as to monitor possible radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for at least a following 15 minute period. Such periods rarely occurred. There was rarely indication, in fact, that motorists were ever aware of the presence of a speed measuring station while it was in operation.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than 10°. No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

RESULTS OF ANALYSIS

The data collected were analyzed and are summarized in Table 1 to 14 in the Appendix. Tables 15, 16, 17 and 18 summarize the data for rural interstate, four-lane, two-lane and urban interstate highways, respectively. Table 19 is the summary for all highways. Tables 20 through 34 are summarizes in an FHWA format which is desired.

The average speed for each classification of vehicles on each type of highway for this study was as follows:

	Interstate		Other	
	Urban	Rural	Four Lane Rural	Two Lane Rural
Passenger Cars:				
Indiana	59.2	60.5	57.8	56.6
Non-Indiana	57.9	60.5	58.2	57.5
All Passenger Cars	59.1	60.5	57.6	56.8
85 Percentile (all)	62.7	64.9	62.2	61.6
Trucks:				
Less than 5000 lbs.	58.4	59.3	57.2	55.3
5000 lbs. or more	57.7	60.0	57.9	54.9
All Vehicles:				
Average	58.6	60.2	57.6	56.1
85 Percentile	62.7	64.7	62.4	61.6

The percent of vehicles exceeding the speed limit (55 mph) for each classification of vehicle and each type of highway was as follows:

	Interstate			
	Urban	Rural	Four Lane	Two Lane
Passenger Cars:				
Indiana	81.8	87.3	65.5	57.4
Non-Indiana	70.7	84.7	70.9	65.6
All Passenger Cars	80.2	86.3	66.4	58.9
Trucks:				
Less than 5000 lbs.	75.9	77.7	63.1	48.7
5000 lbs. or more	72.6	84.3	70.8	47.6
All Vehicles:	77.6	84.6	67.0	54.4

The percent of vehicles traveling more than 5 mph above the speed limit (exceeding 60 mph) for each case was as follows:

	Interstate		Other	
	Urban	Rural	Four Lane Rural	Two Lane Rural
Passenger Cars:				
Indiana	36.4	46.2	24.9	22.1
Non-Indiana	30.7	44.8	26.7	23.4
All Passenger Cars	35.6	45.7	25.2	22.4
Trucks:				
Less than 5000 lbs.	34.6	38.0	27.8	18.0
5000 lbs. or more	25.5	45.5	32.8	13.4
All Vehicles:	33.0	44.6	27.7	19.7

The percent of vehicles traveling more than 10 miles per hour above the speed limit (exceeding 65 mph) for each case was as follows:

	Interstate		Other	
	Urban	Rural	Four Lane Rural	Two Lane Rural
Passenger Cars:				
Indiana	8.8	15.2	6.8	6.1
Non-Indiana	4.0	13.6	4.2	7.8
All Passenger Cars	8.1	14.6	6.4	6.4
Trucks:				
Less than 5000 lbs.	5.6	12.8	6.1	5.3
5000 lbs. or more	3.8	12.2	5.9	3.6
All Vehicles:	6.6	13.7	6.2	5.6

Summary and Conclusions

The overall average speeds for all vehicles and for all passenger cars in this study were found to be 58.1 mph and 59.4 mph, respectively. The overall average speeds for heavy trucks and and for all trucks were found to be 57.9 mph and 57.6 respectively. These overall speeds show little change from the results of the April-June 1977 quarter. Average speeds also changed only slightly when compared to the previous quarter, 0.3 mph less for all vehicles and 0.6 mph less for all passenger cars. For heavy trucks, the average speed was 0.1 mph more, while the average speed for all trucks did not change.

Table A presents a comparison of the overall speed results with that of the previous two studies. The 85th percentiles and the average speeds have decreased slightly when compared to the previous January-March 1978 study.

A comparison of April-June 1978 speed data with that for other recent periods for several types of highways for passenger cars and trucks is shown in Tables B, C, D, and E. Speeds were similar to the last quarter on all highway types for both passengar cars and trucks with a slight decrease in almost all speed cateogires.

TABLE A

COMPARSION OF THE OVERALL SPEED RESULTS

	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977	July-Sept. 1977
Average				
All Passenger Cars	58.4	59.0	59.3	57.8
Heavy Trucks	57.9	57.8	58.2	57.4
All Trucks	57.6	57.6	58.1	57.0
85 Percentile				
All Passenger Cars	63.1	63.8	64.0	62.6
Heavy Trucks	62.7	62.9	63.4	62.5
All Trucks	62.7	62.8	63.3	62.3
15 Percentile				
Heavy Trucks	52.1	51.8	52.0	51.1

TABLE B

AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (URBAN)

	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977	July-Sept. 1977
Passenger Cars:				
Indiana	59.2	59.7	59.8	58.7
Non-Indiana	57.9	61.2	59.0	59.0
All Passenger Cars	59.1	59.9	59.7	58.8
85 Percentile (all)	62.9	63.9	63.8	62.7
Trucks:				
Less than 5000 lbs.	58.4	58.3	59.1	57.7
5000 lbs. or more	57.7	58.4	56.6	58.2

TABLE C

AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (RURAL)

	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977	July-Sept. 1977
Passenger Cars:				
Indiana	60.5	61.0	61.2	60.1
Non-Indiana	60.5	61.4	61.8	60.1
All Passenger Cars	60.5	61.1	61.5	60.1
85 Percentile (all)	64.9	65.9	66.1	64.5
Trucks:				
Less than 5000 lbs.	59.3	59.8	60.1	58.4
5000 lbs. or more	60.0	59.8	61.3	59.7

TABLE D

AVERAGE SPEEDS ON OTHER FOUR-LANE HIGHWAYS

	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977	July-Sept. 1977
Passenger Cars:				
Indiana	57.5	58.0	58.4	57.0
Non-Indiana	58.2	60.2	59.6	58.1
All Passenger Cars	57.6	58.2	58.6	57.2
85 Percentile (all)	62.2	62.7	62.9	62.0
Trucks:				
Less than 5000 lbs.	57.2	57.3	57.5	55.7
5000 lbs. or more	57.9	57.6	57.8	56.6

TABLE E

AVERAGE SPEEDS ON TWO-LANE HIGHWAYS

	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977	July-Sept. 1977
Passenger Cars:				
Indiana	56.5	57.2	57.7	55.9
Non-Indiana	57.5	58.9	58.4	55.9
All Passenger Cars	56.8	57.3	57.8	55.9
85 Percentile (all)	61.6	62.3	63.0	60.9
Trucks:				
Less than 5000 lbs.	55.3	55.5	56.7	54.9
5000 lbs. or more	54.9	54.4	54.7	53.5

TABLE 1 SPEED DATA

STATION RI-6 HIGHWAY I-65 LOCATION See Note at Bottom of Table

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Cloudy

THIS OBSERVATION
DATE 6-6-78
TIME 11:33 AM - 12:22 PM NB
10:27 - 11:03 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE 3-20-78
TIME 1:30 - 2:20 PM NB
12:20 - 1:12 PM SB

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	246	259	134	158	112	101	184	212	57	71	127	141
AVE. SPEED (MPH)	60.70	59.73	60.70	59.87	60.90	59.51	60.10	60.46	59.80	59.01	60.20	61.18
STANDARD DEVIATION	5.400	4.732	5.210	4.962	5.640	4.363	4.680	4.445	5.460	4.464	4.300	4.269
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	1.2	1.5	1.5	1.9	.9	1.0	1.1	0	1.8	0	.8	0
54 MPH	9.4	10.0	9.7	9.5	8.9	10.9	10.3	9.0	14.0	14.1	8.7	6.4
59 MPH	45.1	53.3	42.5	53.8	48.2	52.5	44.6	39.2	56.1	53.5	39.4	31.9
64 MPH	80.1	84.2	79.8	82.9	80.4	86.1	85.3	79.7	82.5	85.9	86.6	76.6
69 MPH	94.3	96.5	95.5	95.6	92.9	98.0	97.3	96.7	94.7	98.6	98.4	95.7
74 MPH	98.4	99.6	97.8	99.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	99.6	100.0	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	99.6	100.0	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	131	119	71	63	60	56	84	99	25	31	59	68
AVERAGE SPEED	59.40	60.51	59.30	60.79	59.50	60.20	58.60	60.75	57.40	59.10	59.10	61.50
DIRECTION SB												
NUMBER OF VEHICLES	115	140	63	95	52	45	100	113	32	40	68	73
AVERAGE SPEED	62.30	59.06	62.20	59.25	62.50	58.67	61.30	60.20	61.60	58.95	61.20	60.89

Due to construction work, location moved to 1.65 miles south of US 314 - Jonesville-Seymore interchange on I-65.

TABLE 2 SPEED DATA

STATION RI-21 HIGHWAY I-69 LOCATION See Note at bottom of Table

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Sunny

THIS OBSERVATION
DATE 6-8-78
TIME 2:05 - 2:50 PM NB
3:30 - 4:13 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE 1-21-78
TIME 3:57 - 4:01 PM NB
2:15 - 3:10 PM SB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	263	276	178	135	85	141	174	173	48	62	126	111
AVE. SPEED (MPH)	60.20	61.48	60.00	61.78	60.60	61.19	59.70	60.24	58.60	59.23	60.10	60.80
STANDARD DEVIATION	4.760	5.477	4.560	5.302	5.170	5.643	5.350	5.490	6.090	6.614	5.020	4.686
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	.6	0	1.6	0	0
49 MPH	.4	.7	.6	0	0	1.4	2.9	1.7	4.2	4.8	2.4	0
54 MPH	8.0	4.3	9.0	3.0	5.9	5.7	15.5	13.3	25.0	19.4	11.9	9.9
59 MPH	49.8	39.1	51.7	37.0	45.9	41.1	50.6	48.6	62.5	59.7	46.0	42.3
64 MPH	85.9	73.9	86.0	74.8	85.9	73.0	83.9	79.2	89.6	80.6	81.8	78.4
69 MPH	95.4	90.2	96.6	90.4	92.9	90.1	95.4	96.0	93.8	95.2	96.0	96.4
74 MPH	98.5	97.5	99.4	97.0	96.5	97.9	99.4	98.8	97.9	96.8	100.0	100.0
79 MPH	99.6	99.3	100.0	99.3	98.8	99.3	100.0	99.4	100.0	98.4	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	128	150	86	67	42	83	91	86	24	32	67	54
AVERAGE SPEED	60.30	60.61	60.30	60.73	60.10	60.51	60.80	59.73	59.20	58.25	61.30	60.61
DIRECTION SB												
NUMBER OF VEHICLES	135	126	92	68	43	58	83	87	24	30	59	57
AVERAGE SPEED	60.10	62.52	59.60	62.81	61.00	62.17	58.50	60.74	58.10	60.27	58.60	60.98

NB - Regular location 1.6 miles south of SR 18
SB - Due to construction, had to move to 3.8 miles north of SR 18

TABLE 3 SPEED DATA

STATION RI-13 HIGHWAY I-70 LOCATION .25 miles east of Vigo-Clay County Line

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Partly Cloudy

THIS OBSERVATION
DATE 5-1-78
TIME 12:05 - 1:15 PM EB
10:59 - 11:35 AM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE
TIME

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	234	0	138	0	96	0	223	0	65	0	158
AVE. SPEED (MPH)	0	60.62	0	60.74	0	60.45	0	59.09	0	59.22	0	59.04
STANDARD DEVIATION	0	4.986	0	5.036	0	4.935	0	5.458	0	6.499	0	4.990
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	1.3	0	3.1	0	.6
49 MPH	0	.9	0	1.4	0	0	0	5.4	0	9.2	0	3.8
54 MPH	0	8.1	0	8.0	0	8.3	0	14.8	0	16.9	0	13.9
59 MPH	0	43.6	0	41.3	0	46.9	0	53.8	0	52.3	0	54.4
64 MPH	0	81.6	0	80.4	0	83.3	0	86.1	0	76.9	0	89.9
69 MPH	0	95.7	0	95.7	0	95.8	0	97.3	0	96.9	0	97.5
74 MPH	0	99.1	0	99.3	0	99.0	0	99.6	0	100.0	0	99.4
79 MPH	0	99.6	0	100.0	0	99.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	129	0	72	0	57	0	109	0	34	0	75
AVERAGE SPEED	0	60.19	0	60.57	0	59.70	0	57.82	0	58.18	0	57.65
DIRECTION WB												
NUMBER OF VEHICLES	0	105	0	66	0	39	0	114	0	31	0	83
AVERAGE SPEED	0	61.15	0	60.92	0	61.54	0	60.31	0	60.35	0	60.29

TABLE 4 SPEED DATA

STATION RI-19 HIGHWAY I-69 LOCATION 3.45 miles north of SR 238

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Partly Cloudy

THIS OBSERVATION
DATE 5-17-78
TIME 11:40 AM - 12:40 PM NB
10:40 - 11:20 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE
TIME

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	278	0	225	0	53	0	181	0	44	0	137
AVE. SPEED (MPH)	0	60.20	0	60.17	0	60.34	0	59.53	0	60.20	0	59.31
STANDARD DEVIATION	0	4.649	0	4.372	0	5.724	0	4.659	0	5.060	0	4.521
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	.6	0	0	0	.7
49 MPH	0	.7	0	.9	0	0	0	1.1	0	0	0	1.5
54 MPH	0	7.9	0	7.1	0	11.3	0	12.7	0	18.2	0	10.9
59 MPH	0	47.1	0	47.1	0	47.2	0	48.6	0	43.2	0	50.4
64 MPH	0	84.5	0	84.9	0	83.0	0	87.3	0	77.3	0	90.5
69 MPH	0	97.1	0	97.3	0	96.2	0	97.8	0	95.5	0	98.5
74 MPH	0	99.6	0	100.0	0	98.1	0	100.0	0	100.0	0	100.0
79 MPH	0	99.6	0	100.0	0	98.1	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	125	0	104	0	21	0	101	0	19	0	82
AVERAGE SPEED	0	59.73	0	59.80	0	59.38	0	59.63	0	59.95	0	59.56
DIRECTION SB												
NUMBER OF VEHICLES	0	153	0	121	0	32	0	80	0	25	0	55
AVERAGE SPEED	0	60.59	0	60.49	0	60.97	0	59.40	0	60.40	0	58.95

TABLE 5 SPEED DATA

STATION 4L-17 HIGHWAY US 52 LOCATION 150 feet east of C.R. 475W, near Klondike

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Sunny

THIS OBSERVATION
DATE 5-10-78
TIME 9:25 - 10:45 AM EB
12:35 - 2:05 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE 3-2-78
TIME 12:08 - 1:55 PM EB
9:00 - 11:00 AM WB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	278	286	246	272	32	14	151	148	89	77	62	71
AVE. SPEED (MPH)	56.80	57.36	56.60	57.40	58.00	56.50	56.10	55.95	56.30	56.18	55.80	55.70
STANDARD DEVIATION	5.900	5.764	6.000	5.859	5.000	3.436	7.250	6.207	7.040	6.446	7.580	5.972
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	.4	0	.4	0	0	0	0	0	0	0	0	0
34 MPH	.4	0	.4	0	0	0	1.3	0	0	0	3.2	0
39 MPH	.7	0	.8	0	0	0	1.3	0	0	0	3.2	0
44 MPH	4.0	1.7	4.5	1.8	0	0	6.0	4.1	3.4	6.5	9.7	1.4
49 MPH	8.3	7.3	8.5	7.7	6.3	0	13.9	12.2	10.1	13.0	19.4	11.3
54 MPH	28.8	27.3	30.9	27.6	12.5	21.4	35.1	39.9	40.5	35.1	27.4	45.1
59 MPH	71.9	68.5	72.4	67.6	68.8	85.7	74.2	70.9	78.7	70.1	67.7	71.8
64 MPH	91.0	90.6	91.9	90.1	84.4	100.0	92.7	91.9	94.4	92.2	90.3	91.5
69 MPH	98.2	96.9	98.0	96.7	100.0	100.0	98.7	98.6	97.8	97.4	100.0	100.0
74 MPH	99.6	99.0	99.6	98.9	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	146	142	131	136	15	6	69	73	43	41	26	32
AVERAGE SPEED	56.20	58.15	55.90	58.24	58.10	56.17	54.50	56.75	54.60	56.83	54.30	56.66
DIRECTION WB												
NUMBER OF VEHICLES	132	144	115	136	17	8	82	75	46	36	36	39
AVERAGE SPEED	57.40	56.58	57.30	56.57	57.80	56.75	57.50	55.17	57.90	55.44	57.00	54.92

TABLE 6 SPEED DATA

STATION 4L-32 HIGHWAY US 30 LOCATION 2.9 miles west of Wanatah City limit sign

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION
DATE 5-19-78
TIME 12:13 - 1:09 PM EB
11:07 AM - 12:04 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE 3-23-78
TIME 12:25 - 1:30 PM EB
11:15 AM - 12:15 PM WB

		PASSENGER CARS								TRUCKS			
		ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION		LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES		180	214	131	149	49	65	248	238	47	67	201	171
AVE. SPEED (MPH)		57.50	58.61	57.40	58.58	57.50	58.66	58.50	58.62	57.30	59.04	58.80	58.45
STANDARD DEVIATION		4.790	4.738	4.510	4.884	5.540	4.420	4.530	4.806	4.130	5.276	4.580	4.615
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN	24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
	29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
	34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
	39 MPH	0	0	0	0	0	0	.4	0	0	0	.5	0
	44 MPH	.6	0	.8	0	0	0	1.2	.4	0	1.5	1.4	0
	49 MPH	2.8	1.4	.8	2.0	8.2	0	2.8	4.2	4.3	3.0	2.5	4.7
	54 MPH	27.8	17.3	27.5	16.1	28.6	20.0	16.9	17.2	23.4	19.4	15.4	16.4
	59 MPH	69.4	57.5	71.8	57.7	63.3	56.9	55.2	55.9	68.1	52.2	52.2	57.3
	64 MPH	92.2	90.2	92.4	89.3	91.8	92.3	91.9	89.9	97.9	82.1	90.6	93.0
	69 MPH	97.8	98.6	98.5	98.0	95.9	100.0	100.0	99.2	100.0	98.5	100.0	99.4
	74 MPH	100.0	99.5	100.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	79 MPH	100.0	99.5	100.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION EB													
NUMBER OF VEHICLES		94	111	68	82	26	29	121	121	24	38	97	83
AVERAGE SPEED		57.60	59.37	57.70	59.26	57.50	59.69	59.30	59.54	56.80	59.47	59.90	59.57
DIRECTION WB													
NUMBER OF VEHICLES		86	103	63	67	23	36	127	117	23	29	104	88
AVERAGE SPEED		57.30	57.79	57.20	57.76	57.50	57.83	57.80	57.67	57.80	58.48	57.80	57.40

TABLE 7 SPEED DATA

STATION 4L-14 HIGHWAY US 40 LOCATION 2.3 miles east of Greenfield

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION
DATE 6-5-78, 6-6-78
TIME 1:05 - 1:40 PM, 2:37 - 3:46 PM EB
11:00 AM - 1:05 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE
TIME

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	301	0	275	0	26	0	158	0	106	0	52
AVE. SPEED (MPH)	0	56.82	0	56.87	0	56.27	0	55.34	0	55.92	0	54.15
STANDARD DEVIATION	0	5.582	0	5.582	0	5.668	0	6.567	0	5.799	0	7.835
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	.6	0	.9	0	0
39 MPH	0	0	0	0	0	0	0	3.2	0	1.9	0	5.8
44 MPH	0	.7	0	.7	0	0	0	7.0	0	3.8	0	13.5
49 MPH	0	7.3	0	7.3	0	7.7	0	15.8	0	11.3	0	25.0
54 MPH	0	32.2	0	31.3	0	42.3	0	41.1	0	34.0	0	55.8
59 MPH	0	74.4	0	74.2	0	76.9	0	72.8	0	70.8	0	76.9
64 MPH	0	91.0	0	91.3	0	88.5	0	94.9	0	97.2	0	90.4
69 MPH	0	97.3	0	97.5	0	96.2	0	99.4	0	100.0	0	98.1
74 MPH	0	99.0	0	98.9	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	153	0	138	0	15	0	71	0	49	0	22
AVERAGE SPEED	0	55.99	0	55.96	0	56.27	0	54.44	0	55.59	0	51.86
DIRECTION WB												
NUMBER OF VEHICLES	0	148	0	137	0	11	0	87	0	57	0	30
AVERAGE SPEED	0	57.68	0	57.79	0	56.27	0	56.08	0	56.21	0	55.83

TABLE 8 SPEED DATA

STATION 4L-31 HIGHWAY US 30 LOCATION 2.45 miles east of SR 421

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION
DATE 5-24-78
TIME 10:35 - 11:50 AM EB
12:00 - 1:32 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	199	0	139	0	60	0	238	0	59	0	179
AVE. SPEED (MPH)	0	58.21	0	57.92	0	58.88	0	59.20	0	58.61	0	59.39
STANDARD DEVIATION	0	4.766	0	4.943	0	4.291	0	4.823	0	5.699	0	4.499
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	1.0	0	1.4	0	0	0	0	0	0	0	0
49 MPH	0	4.5	0	5.8	0	1.7	0	3.4	0	6.8	0	2.2
54 MPH	0	18.1	0	22.3	0	8.3	0	13.0	0	18.6	0	11.2
59 MPH	0	61.3	0	59.7	0	65.0	0	53.4	0	62.7	0	50.3
64 MPH	0	92.5	0	93.5	0	90.0	0	87.4	0	86.4	0	87.7
69 MPH	0	99.0	0	98.6	0	100.0	0	97.9	0	96.6	0	98.3
74 MPH	0	100.0	0	100.0	0	100.0	0	99.2	0	96.6	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	94	0	61	0	33	0	127	0	22	0	105
AVERAGE SPEED	0	58.88	0	58.75	0	59.12	0	59.24	0	57.23	0	59.66
DIRECTION WB												
NUMBER OF VEHICLES	0	105	0	78	0	27	0	111	0	37	0	74
AVERAGE SPEED	0	57.61	0	57.27	0	58.59	0	59.15	0	59.43	0	59.01

TABLE 9 SPEED DATA

STATION 2L-18 HIGHWAY US 35 LOCATION 2.5 miles east of I-69

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Cloudy

THIS OBSERVATION
DATE 6-8-78
TIME 11:00 AM - 1:03 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE 3-21-78
TIME 10:55 AM - 1:12 PM

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	283	260	257	148	26	112	146	177	79	80	67	97
AVE. SPEED (MPH)	57.60	57.17	57.50	55.98	58.10	58.74	55.30	54.90	56.10	55.79	54.30	54.16
STANDARD DEVIATION	6.080	5.711	6.110	5.371	5.810	5.789	6.360	6.133	6.410	6.780	6.200	5.471
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	.7	.6	0	0	1.5	1.0
44 MPH	2.1	1.2	2.3	1.4	0	.9	6.2	2.8	5.1	2.5	7.4	3.1
49 MPH	7.1	6.9	7.4	10.1	3.8	2.7	15.8	18.6	12.7	17.5	19.4	19.6
54 MPH	27.9	30.0	27.6	37.8	30.8	19.6	43.2	47.5	38.0	38.8	49.3	54.6
59 MPH	67.1	69.6	67.7	76.4	61.5	60.7	73.3	81.9	70.9	76.3	76.1	86.6
64 MPH	88.0	91.2	88.3	95.3	84.6	85.7	93.2	92.7	89.9	91.3	97.0	93.8
69 MPH	96.5	97.3	96.1	98.0	100.0	96.4	99.3	98.9	98.7	97.5	100.0	100.0
74 MPH	99.3	99.2	99.2	99.3	100.0	99.1	100.0	98.9	100.0	97.5	100.0	100.0
79 MPH	100.0	99.6	100.0	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	129	129	120	60	9	69	84	88	44	37	40	51
AVERAGE SPEED	58.40	57.75	58.30	56.47	58.90	58.87	56.20	56.49	57.70	57.70	54.70	55.61
DIRECTION WB												
NUMBER OF VEHICLES	154	131	137	88	17	43	62	89	35	43	27	46
AVERAGE SPEED	56.90	56.60	56.80	55.65	57.70	58.53	54.00	53.33	54.20	54.14	53.70	52.57

TABLE 10 SPEED DATA

STATION 2L-54 HIGHWAY US 231 LOCATION 1 mile south of SR 234

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Partly Cloudy

THIS OBSERVATION
DATE 5-11-78
TIME 10:00 AM - 12:50 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE 3-6-78
TIME 12:22 - 3:50 PM

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	241	221	216	194	25	27	196	209	86	79	110	130
AVE. SPEED (MPH)	55.70	57.57	55.60	57.59	56.30	57.44	55.80	56.03	56.20	56.52	55.50	55.74
STANDARD DEVIATION	5.820	5.552	5.810	5.691	6.040	4.518	6.480	6.057	7.200	7.216	5.880	5.238
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	.8	0	.9	0	0	0	0	1.0	0	1.3	0	.8
44 MPH	5.0	.9	5.1	1.0	4.0	0	4.6	3.3	3.5	5.1	5.4	2.3
49 MPH	10.8	6.8	11.6	7.7	4.0	0	14.8	13.4	16.3	15.2	13.6	12.3
54 MPH	38.6	25.8	38.0	25.8	44.0	25.9	41.3	36.4	40.7	40.5	41.8	33.8
59 MPH	78.8	67.4	79.2	67.5	76.0	66.7	74.5	75.1	70.9	69.6	77.3	78.5
64 MPH	94.6	91.0	95.4	90.7	88.0	92.6	92.3	93.3	87.2	87.3	96.4	96.9
69 MPH	98.8	97.7	98.6	97.4	100.0	100.0	98.0	98.1	96.5	96.2	99.1	99.2
74 MPH	100.0	99.1	100.0	99.0	100.0	100.0	98.5	99.5	97.7	98.7	99.1	100.0
79 MPH	100.0	99.5	100.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	99.5	100.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	110	108	102	95	8	13	102	107	43	39	59	68
AVERAGE SPEED	56.00	58.60	55.90	58.79	57.40	57.23	55.70	56.56	57.00	57.26	54.80	56.16
DIRECTION SB												
NUMBER OF VEHICLES	131	113	114	99	17	14	94	102	43	40	51	62
AVERAGE SPEED	55.40	56.58	55.30	56.43	55.80	57.64	55.80	55.48	55.30	55.80	56.30	55.27

TABLE 11 SPEED DATA

STATION 2L-30 HIGHWAY US 52 LOCATION 12 miles east of New Palestine

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION
DATE 5-18-78
TIME 11:55 AM - 2:35 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	266	0	261	0	5	0	177	0	126	0	51
AVE. SPEED (MPH)	0	56.23	0	56.21	0	57.40	0	53.79	0	54.57	0	51.86
STANDARD DEVIATION	0	6.630	0	6.635	0	7.021	0	5.965	0	5.818	0	5.940
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.4	0	.4	0	0	0	1.1	0	.8	0	2.0
44 MPH	0	3.0	0	3.1	0	0	0	5.0	0	7.1	0	13.7
49 MPH	0	14.3	0	14.2	0	20.0	0	22.0	0	18.3	0	31.4
54 MPH	0	39.1	0	39.5	0	20.0	0	49.2	0	42.9	0	64.7
59 MPH	0	70.7	0	70.9	0	60.0	0	84.7	0	81.7	0	92.2
64 MPH	0	92.1	0	92.0	0	100.0	0	96.0	0	95.2	0	98.0
69 MPH	0	97.7	0	97.7	0	100.0	0	99.4	0	99.2	0	100.0
74 MPH	0	98.9	0	98.9	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.6	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	137	0	134	0	3	0	85	0	59	0	26
AVERAGE SPEED	0	56.74	0	56.78	0	55.00	0	53.11	0	53.69	0	51.77
DIRECTION WB												
NUMBER OF VEHICLES	0	129	0	127	0	2	0	92	0	67	0	25
AVERAGE SPEED	0	55.68	0	55.60	0	61.00	0	54.42	0	55.34	0	51.96

TABLE 12 SPEED DATA

STATION 2L-46 HIGHWAY US 421 LOCATION 3.35 miles north of Toll Road

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Clear & Sunny

THIS OBSERVATION
DATE 3-25-78
TIME 10:50 AM - 1:52 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE
TIME

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	299	0	251	0	48	0	151	0	70	0	81
AVE. SPEED (MPH)	0	56.26	0	56.58	0	54.58	0	55.52	0	54.67	0	56.26
STANDARD DEVIATION	0	5.017	0	5.035	0	4.621	0	5.774	0	5.707	0	5.766
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	2.0	0	2.0	0	2.1	0	1.3	0	2.9	0	0
49 MPH	0	7.7	0	6.8	0	12.5	0	12.6	0	17.1	0	8.6
54 MPH	0	34.4	0	32.3	0	45.8	0	41.7	0	47.1	0	37.0
59 MPH	0	76.3	0	74.1	0	87.5	0	76.2	0	80.0	0	72.8
64 MPH	0	94.0	0	93.2	0	97.9	0	92.7	0	94.3	0	91.4
69 MPH	0	99.7	0	99.6	0	100.0	0	98.7	0	98.6	0	98.8
74 MPH	0	100.0	0	100.0	0	100.0	0	99.3	0	100.0	0	98.8
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION												
NUMBER OF VEHICLES	0	149	0	129	0	20	0	80	0	43	0	37
AVERAGE SPEED	0	55.90	0	56.07	0	54.80	0	56.02	0	54.72	0	57.54
DIRECTION												
NUMBER OF VEHICLES	0	150	0	122	0	28	0	71	0	27	0	44
AVERAGE SPEED	0	56.62	0	57.12	0	54.43	0	54.96	0	54.59	0	55.18

TABLE 13 SPEED DATA

STATION UI-6 HIGHWAY I-65 LOCATION Just east of White River

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Sunny warm

THIS OBSERVATION
DATE 5-31-78
TIME 2:03 - 2:35 PM EB
2:45 - 3:16 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE 3-27-78
TIME 10:50 - 11:30 AM EB
11:40 AM - 12:10 PM WB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	275	312	229	280	46	32	161	135	80	62	81	73
AVE. SPEED (MPH)	58.10	59.15	58.00	59.39	58.50	57.03	56.90	57.86	57.00	58.65	56.80	57.19
STANDARD DEVIATION	5.000	4.600	5.070	4.535	4.670	4.694	5.060	4.951	4.960	5.204	5.190	4.657
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	.6	0	0	0	1.2	0
44 MPH	.4	0	.4	0	0	0	2.5	1.5	0	0	4.9	2.7
49 MPH	3.6	2.6	4.4	2.1	0	6.3	6.2	4.4	3.8	3.2	8.6	5.5
54 MPH	22.1	12.2	22.3	10.0	21.7	31.3	24.8	20.7	31.3	21.0	18.5	20.5
59 MPH	61.5	54.2	62.9	52.1	54.3	71.9	70.8	68.9	68.8	59.7	72.8	76.7
64 MPH	90.6	90.1	90.4	89.3	91.3	96.9	95.0	90.4	92.5	87.1	97.5	93.2
69 MPH	97.8	98.4	97.8	98.2	97.8	100.0	99.4	99.3	98.8	98.4	100.0	100.0
74 MPH	99.6	99.0	99.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	143	152	114	143	29	9	76	68	38	31	38	37
AVERAGE SPEED	57.80	59.49	57.70	59.69	58.40	56.22	56.00	57.85	56.30	59.68	55.70	56.32
DIRECTION WB												
NUMBER OF VEHICLES	132	160	115	137	17	23	85	67	42	31	43	36
AVERAGE SPEED	58.40	58.83	58.40	59.08	58.70	57.35	57.70	57.87	57.60	57.61	57.90	58.08

TABLE 14 SPEED DATA

STATION UI-4 HIGHWAY I-465 LOCATION 1.5 miles east of Mann Road

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Sunny

THIS OBSERVATION
DATE 5-31-78
TIME 12:53 - 1:26 PM NB
10:23 - 11:19 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE
TIME

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	208	0	165	0	43	0	239	0	100	0	139
AVE. SPEED (MPH)	0	58.96	0	59.04	0	58.63	0	58.09	0	58.30	0	57.94
STANDARD DEVIATION	0	4.743	0	4.884	0	4.192	0	4.711	0	4.916	0	4.570
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	.8	0	1.0	0	.7
49 MPH	0	1.0	0	1.2	0	0	0	3.8	0	4.0	0	3.6
54 MPH	0	16.3	0	15.8	0	18.6	0	19.2	0	18.0	0	20.1
59 MPH	0	59.1	0	60.6	0	53.5	0	61.9	0	60.0	0	63.3
64 MPH	0	86.5	0	85.5	0	90.7	0	93.3	0	92.0	0	94.2
69 MPH	0	97.6	0	97.0	0	100.0	0	99.2	0	98.0	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	94	0	72	0	22	0	124	0	55	0	69
AVERAGE SPEED	0	59.61	0	59.71	0	59.27	0	57.70	0	58.07	0	57.41
DIRECTION SB												
NUMBER OF VEHICLES	0	114	0	93	0	21	0	115	0	45	0	70
AVERAGE SPEED	0	58.42	0	58.53	0	57.95	0	58.51	0	58.58	0	58.47

TABLE 15 SPEED DATA

STATION RIALL HIGHWAY 4-Lane Rural LOCATION See Individual Stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE April-June
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE Jan.-March 1978
TIME _____

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	1047	0	656	0	391	0	789	0	242	0	547
AVE. SPEED (MPH)	0	60.51	0	60.55	0	60.46	0	59.81	0	59.34	0	60.02
STANDARD DEVIATION	0	5.010	0	4.897	0	5.200	0	5.053	0	5.729	0	4.715
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	.6	0	1.2	0	.4
49 MPH	0	1.0	0	1.1	0	.8	0	2.2	0	3.7	0	1.5
54 MPH	0	7.5	0	7.0	0	8.4	0	12.4	0	16.9	0	10.4
59 MPH	0	45.7	0	45.4	0	46.3	0	47.5	0	52.9	0	45.2
64 MPH	0	81.0	0	81.4	0	80.3	0	83.1	0	80.6	0	84.3
69 MPH	0	94.8	0	95.1	0	94.4	0	97.0	0	96.7	0	97.1
74 MPH	0	98.9	0	99.1	0	98.7	0	99.6	0	99.2	0	99.8
79 MPH	0	99.6	0	99.8	0	99.2	0	99.9	0	99.6	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 16 SPEED DATA

STATION 4LALL HIGHWAY 4-Lane Rural LOCATION See Individual Stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE April-June
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE Jan.-March 1978
TIME _____

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	1000	0	835	0	165	0	782	0	309	0	473
AVE. SPEED (MPH)	0	57.63	0	57.53	0	58.18	0	57.63	0	57.18	0	57.92
STANDARD DEVIATION	0	5.349	0	5.481	0	4.602	0	5.712	0	5.978	0	5.518
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	.1	0	.3	0	0
39 MPH	0	0	0	0	0	0	0	.6	0	.6	0	.6
44 MPH	0	.9	0	1.1	0	0	0	2.3	0	3.2	0	1.7
49 MPH	0	5.5	0	6.2	0	1.8	0	7.8	0	9.1	0	7.0
54 MPH	0	24.8	0	25.9	0	19.4	0	25.1	0	28.2	0	23.0
59 MPH	0	66.5	0	66.7	0	65.5	0	61.4	0	65.0	0	59.0
64 MPH	0	91.0	0	90.9	0	91.5	0	90.5	0	90.6	0	90.5
69 MPH	0	97.8	0	97.5	0	99.4	0	98.7	0	98.4	0	98.9
74 MPH	0	99.3	0	99.2	0	100.0	0	99.7	0	99.4	0	100.0
79 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 17 SPEED DATA

STATION 2LALL HIGHWAY 2-Lane Rural LOCATION See Individual Stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE April-June 1978
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE Jan.-March 1978
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	1046	0	854	0	192	0	714	0	355	0	359
AVE. SPEED (MPH)	0	56.76	0	56.59	0	57.48	0	55.09	0	55.30	0	54.88
STANDARD DEVIATION	0	5.764	0	5.786	0	5.620	0	6.043	0	6.378	0	5.692
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.1	0	.1	0	0	0	.7	0	.6	0	.8
44 MPH	0	1.8	0	2.0	0	1.0	0	4.2	0	4.8	0	3.6
49 MPH	0	9.0	0	9.8	0	5.2	0	16.7	0	17.2	0	16.2
54 MPH	0	32.7	0	34.0	0	27.1	0	43.4	0	42.3	0	44.6
59 MPH	0	71.3	0	72.0	0	68.2	0	79.4	0	77.5	0	81.3
64 MPH	0	92.2	0	92.6	0	90.1	0	93.7	0	92.4	0	95.0
69 MPH	0	98.2	0	98.2	0	97.9	0	98.7	0	98.0	0	99.4
74 MPH	0	99.3	0	99.3	0	99.5	0	99.4	0	99.2	0	99.7
79 MPH	0	99.7	0	99.8	0	99.5	0	100.0	0	100.0	0	100.0
84 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 18 SPEED DATA

STATION UIALL HIGHWAY Interstate Urban LOCATION See Individual Stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE April-June 1978
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE Jan.-March 1978
TIME _____

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	520	0	445	0	75	0	374	0	162	0	212
AVE. SPEED (MPH)	0	59.07	0	59.26	0	57.95	0	58.01	0	58.43	0	57.68
STANDARD DEVIATION	0	4.654	0	4.665	0	4.454	0	4.794	0	5.015	0	4.603
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	1.1	0	.6	0	1.4
49 MPH	0	1.9	0	1.8	0	2.7	0	4.0	0	3.7	0	4.2
54 MPH	0	13.8	0	12.1	0	24.0	0	19.8	0	19.1	0	20.3
59 MPH	0	56.2	0	55.3	0	61.3	0	64.4	0	59.9	0	67.9
64 MPH	0	88.7	0	87.9	0	93.3	0	92.2	0	90.1	0	93.9
69 MPH	0	98.1	0	97.8	0	100.0	0	99.2	0	98.1	0	100.0
74 MPH	0	99.4	0	99.3	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 19 SPEED DATA

STATION ALL HIGHWAY Indiana System LOCATION See Individual Stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE April-June 1978
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 104)
DATE Jan.-March 1978
TIME _____

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	3613	0	2790	0	823	0	2659	0	1068	0	1591
AVE. SPEED (MPH)	0	58.42	0	58.23	0	59.08	0	57.65	0	57.23	0	57.92
STANDARD DEVIATION	0	5.497	0	5.543	0	5.287	0	5.774	0	6.123	0	5.512
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	.0	0	.1	0	0
39 MPH	0	.0	0	.0	0	0	0	.4	0	.4	0	.4
44 MPH	0	.8	0	.9	0	.2	0	2.1	0	2.9	0	1.6
49 MPH	0	4.7	0	5.4	0	2.2	0	8.0	0	9.7	0	6.8
54 MPH	0	20.5	0	21.7	0	16.4	0	25.5	0	28.9	0	23.2
59 MPH	0	60.4	0	61.5	0	56.6	0	62.5	0	65.6	0	60.5
64 MPH	0	88.1	0	88.7	0	86.0	0	89.4	0	88.9	0	89.8
69 MPH	0	97.1	0	97.2	0	96.7	0	98.3	0	97.8	0	98.6
74 MPH	0	99.2	0	99.2	0	99.3	0	99.7	0	99.3	0	99.9
79 MPH	0	99.8	0	99.9	0	99.5	0	100.0	0	99.9	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

Table 20
Monitoring of Speed
(Statistical Summary)

[X] Quarterly Report--Calendar Quarter Ending June 30, 1978

or

[ ] Annual Report--Year Ending _____

STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	2	894	2.5	58.6	58.0	62.7	78	33	7
Interstate Rural	849	4	1836	6.5	60.2	59.4	64.7	85	45	14
Multi-lane, Divided	657	4	1782	11.4	57.6	57.2	62.4	67	28	6
Multi-lane, Undivided		(Included in multi-lane, divided classification)								
2-Lane, Rural	8030	4	1760	10.3	56.1	55.5	61.2	54	20	6
State Total	9754	14	6272	30.7	58.1	57.6	62.9	70	31	8

TABLE 21

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-6 LOCATION See Note at Bottom of Table

NUMBER OF SESSIONS 1 DATES 6-6-78 VEHICLES MEASURED 471

AVERAGE SPEED (MPH) 60.1 STANDARD DEVIATION 4.6

MEDIAN SPEED (MPH) 59.3 85TH PERCENTILE SPEED (MPH) 64.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 85. 60 MPH 42. 65 MPH 13.

Note: Due to construction work, moved location to 1.65 mi. south of U.S. 31A - Jonesville-Seymour Interchange on I-65.

TABLE 22

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-21 LOCATION See Note at Bottom of Table

NUMBER OF SESSIONS 1 DATES 6-8-78 VEHICLES MEASURED 449

AVERAGE SPEED (MPH) 61.0 STANDARD DEVIATION 5.5

MEDIAN SPEED (MPH) 59.9 85TH PERCENTILE SPEED (MPH) 65.9

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 86. 60 MPH 49. 65 MPH 18.

Note: NB - regular location 1.6 mi. south of S.R. 18 interchange on I-69.

SB - due to construction, moved location to 3.8 mi. north of S.R. 18 interchange on I-69.

TABLE 23

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-13 LOCATION I-70, .25 mi. east of Vigo-Clay Co. Line

NUMBER OF SESSIONS 1 DATES 5-16-78 VEHICLES MEASURED 457

AVERAGE SPEED (MPH) 59.9 STANDARD DEVIATION 5.3

MEDIAN SPEED (MPH) 59.2 85TH PERCENTILE SPEED (MPH) 64.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 83. 60 MPH 44. 65 MPH 14.

TABLE 24

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-19 LOCATION I-69, 3.45 mi. north of S.R. 238

NUMBER OF SESSIONS 1 DATES 5-17-78 VEHICLES MEASURED 459

AVERAGE SPEED (MPH) 59.9 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 59.3 85TH PERCENTILE SPEED (MPH) 63.9

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 84. 60 MPH 43. 65 MPH 11.

TABLE 25

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-17 LOCATION U.S. 52, 150' east of Co. Rd. 475W, near Klondike

NUMBER OF SESSIONS 1 DATES 5-10-78 VEHICLES MEASURED 434

AVERAGE SPEED (MPH) 56.9 STANDARD DEVIATION 5.9

MEDIAN SPEED (MPH) 56.2 85TH PERCENTILE SPEED (MPH) 62.0

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 62. 60 MPH 24. 65 MPH 7.

TABLE 26

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-32 LOCATION U.S. 30, 2.9 mi. west of Wanatah City Limit Sign

NUMBER OF SESSIONS 1 DATES 5-19-78 VEHICLES MEASURED 452

AVERAGE SPEED (MPH) 58.6 STANDARD DEVIATION 4.8

MEDIAN SPEED (MPH) 58.2 85TH PERCENTILE SPEED (MPH) 62.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 75. 60 MPH 34. 65 MPH 6.

TABLE 27

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-14 LOCATION U.S. 40, 2.3 mi. east of Greenfield

NUMBER OF SESSIONS 1 DATES 6-5-78/6-6-78 VEHICLES MEASURED 459

AVERAGE SPEED (MPH) 56.3 STANDARD DEVIATION 6.0

MEDIAN SPEED (MPH) 55.6 85TH PERCENTILE SPEED (MPH) 61.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 54. 60 MPH 20. 65 MPH 5.

TABLE 28

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-31 LOCATION U.S. 30, 2.45 mi. east of S.R. 421

NUMBER OF SESSIONS 1 DATES 5-24-78 VEHICLES MEASURED 437

AVERAGE SPEED (MPH) 58.7 STANDARD DEVIATION 4.8

MEDIAN SPEED (MPH) 58.4 85TH PERCENTILE SPEED (MPH) 62.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 78. 60 MPH 33. 65 MPH 7.

TABLE 29

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-18 LOCATION U.S. 35, 2.5 mi. east of I-69

NUMBER OF SESSIONS 1 DATES 5-11-78 VEHICLES MEASURED 437

AVERAGE SPEED (MPH) 56.2 STANDARD DEVIATION 6.0

MEDIAN SPEED (MPH) 55.5 85TH PERCENTILE SPEED (MPH) 61.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 55. 60 MPH 19. 65 MPH 7.

TABLE 30

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-54 LOCATION U.S. 231, 1.1 mi. south of S.R. 234

NUMBER OF SESSIONS 1 DATES 5-11-78 VEHICLES MEASURED 430

AVERAGE SPEED (MPH) 56.8 STANDARD DEVIATION 5.8

MEDIAN SPEED (MPH) 56.3 85TH PERCENTILE SPEED (MPH) 61.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 62. 60 MPH 23. 65 MPH 6.

TABLE 31

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-30 LOCATION U.S. 52, 1.2 mi. east of New Palestine

NUMBER OF SESSIONS 1 DATES 5-18-78 VEHICLES MEASURED 443

AVERAGE SPEED (MPH) 55.3 STANDARD DEVIATION 6.5

MEDIAN SPEED (MPH) 54.8 85TH PERCENTILE SPEED (MPH) 61.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 48. 60 MPH 19. 65 MPH 5.

TABLE 32

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-46 LOCATION U.S. 421, 3.35 mi. north of Toll Road

NUMBER OF SESSIONS 1 DATES 5-25-78 VEHICLES MEASURED 450

AVERAGE SPEED (MPH) 56.0 STANDARD DEVIATION 5.3

MEDIAN SPEED (MPH) 55.3 85TH PERCENTILE SPEED (MPH) 60.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 53. 60 MPH 19. 65 MPH 5.

TABLE 33

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-6 LOCATION I-65, just east of White River

NUMBER OF SESSIONS 1 DATES 5-31-78 VEHICLES MEASURED 447

AVERAGE SPEED (MPH) 58.8 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 58.2 85TH PERCENTILE SPEED (MPH) 62.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 80. 60 MPH 34. 65 MPH 6.

TABLE 34

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-4 LOCATION I-465, 1.5 mi. east of MunnRoad

NUMBER OF SESSIONS 1 DATES 5-31-78 VEHICLES MEASURED 447

AVERAGE SPEED (MPH) 58.5 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 57.8 85TH PERCENTILE SPEED (MPH) 62.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 75. 60 MPH 32. 65 MPH 7.

COVER DESIGN BY ALDO GIORGINI